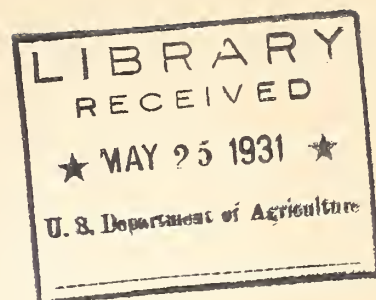


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R.I.



# BLISTER RUST AND WHITE PINE

## DEMONSTRATION AREAS

## RHODE ISLAND

# BLISTER RUST AND WHITE PINE

## DEMONSTRATION AREAS

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\* Areas to be added later as located.

BLISTER RUST AND WHITE PINE  
DEMONSTRATION AREAS  
(Data as of January 1928)

RHODE ISLAND

4. Efficiency of Ribes Eradication.

Kent County

Approximately 6000 Ribes (Ribes rubrum and Ribes hirtellum) were eradicated in the township of Coventry, in 1917 in an area bounded on the north by the main road between the villages of Summit and Greene on the south by the first dirt road parallel to the northern boundary road, on the west by the road directly south of Greene and on the east by the road directly south of Summit. This area eradicated of currants and gooseberries in 1917 is a good sample plot to demonstrate effective eradication in Rhode Island.

See A. W. Hurford, Providence, R.I.

9. White Pine as a Crop

Kent County

Coventry. Edward E. Arnold Estate. South of Greene. Go to end of macadam road running south from Greene and inquire at nearest house as to location of estate which is in the vicinity. Over a million and one-half white, red and Scotch pine trees have been planted at various times during the past fifteen to twenty years on this estate. The entire area was eradicated of Ribes in 1918. This plantation demonstrates a healthy growing pine forest protected from blister rust.

11. White Pine Plantation of Different Ages and  
Special Significance as Regards Site, Growth, etc.

Kent County

Warwick. Goddard Estate. Potowomut Neck. Five hundred acre plantation of white pine and many other conifers and hardwoods; trees planted partly on shifting sands, over a period of years. See Mr. T. G. Mathewson, Superintendent of the Estate and also a member of the State Department of Agriculture Advisory Council.

See A. W. Hurford, Providence, R.I.

#### 14. Special Enemies of White Pine

##### Kent County

Warwick. Goddard Memorial Park, Potowomut Neck - Five hundred acre plantation of white pine and many other conifers and hardwoods, planted over a period of years. This plantation is of interest due to the presence of the white pine weevil, and the shoe string fungus (*Armillaria mellea*). See Mr. T.G. Mathewson, Superintendent at the Park, or A.W. Hurford, 310 State House, Providence.

##### Washington County

Wakefield. Watson and Robinson Estates. Gipsy moth infestation. 300 to 400 acres infested. In 1927, 65 acres having 25 to 100 per cent defoliation. During the summer of 1926 and 1927 the following parasites were liberated in the infested areas: 96,000 *Schedius kuyanae* and 33,000 *Anastatus bifasciatus*. Entire area sprayed during the summer of 1928, scouting during winter of 1928-1929, showed reduction of infestation to 25%. Scouting during the winter of 1929-30 showed a reduction of infestation to 5%. Inspection during the summer of 1930 showed very little feeding.

See Mr. Harry Horovitz, Supt. of Field Work, Department of Agriculture, State House, Providence, or  
A. W. Hurford, Providence, R. I.

#### 15. Diseases on Conifers other than White Pine.

##### Kent County

Coventry. Cronartium comptoniae on hard pine. Disease present in hard pine area west of log road running south over railroad track from a point about half way on the main road just right of a yellow house.

Warwick. Goddard Memorial Park. New Douglas fir disease here: cankers and fruiting bodies being found on several hundred Douglas fir trees during 1928. All trees having cankers are being cut and destroyed to check the spread of the disease.

See T.G. Mathewson, Supt. at the Park or

A. W. Hurford, 310 State House, Providence.

16. Other Special Forestry Features.

Providence County

North Scituate. Providence Reservoir holdings. over 600 thousand white and red pine seedlings and transplants planted on watersheds during last three years. See Supt. Craig, Scituate Reservoir Div. 661, Westminster Street, Providence, R.I. or A.W. Hurford, Providence, R.I.

Hopkinton. Rhode Island Boy Scout Camp. Yawgoog Pond. Twenty-five thousand five and four year old white pine transplants planted on several hundred acres of forest land, burned over by forest fires in spring of 1930. White pines planted in among dead and dying as well as living hardwoods. For purpose of obtaining a future mixed pine and hardwood forest, reforestation to be continued and "weeding" planned for next few years to free white pine from hardwood competition. See A.W. Hurford, Providence, Rhode Island.

FOR ADDITIONAL DATA

1. Effect of Blister Rust on White Pine

Bristol County

Barrington. Property of Mr. Fred Hanson near Martin Avenue. Pine infections scattered over more than an acre of white pine grove of several acres. The infections are chiefly on the north edge of the pine area near cultivated Ribes. A large number of European black currants were found in and eradicated from nearby gardens during 1930. A few other cultivated bushes still remain in the vicinity. Several trees have trunk cankers, several trees have branch infections and a few trees are already dead. Inspection of several trees shows infections dating from 1919 to 1927. Area was scouted and disease first noticed January 30, 1931.

See A. W. Hurford, 310 State House,  
Providence, Rhode Island.



FOR ADDITIONAL DATA

1874

1874

1874

1874